



Journal.

1889.

Vernon Bailey



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Jan. 1. Came into St. George, Utah, in morning, went to P.O. & wrote letters. Found all the stores closed. Went up a valley for a mile or two north of town & camped near rocks. Set traps & skinned things in P.M.

Found many birds that left me two months ago in Salt Lake Valley. Saw 3 flocks of about a dozen each of *Oreortyx gambeli*, & killed a *Crysal Thrasher*.

Didn't get time to hunt any.

Wrote this by brush fire in evening.

" 2. H. Keays went to his traps & got a little Skunk & a new kind of *Perognathus*. I finished some skins, went to town & down in valley, hunted & set some traps.

Found nothing new.

Cold night, warm day.

Jan. 5 A cloudy & not very cold night, had a good catch of mice; 8 *Onychomys*, 5 *Dipodomys*, 1 *Arvicola* & 1 *Mus musculus*. Skinned things most of day, hunted & set traps till dark. Shot at a Swan in pond. Saw lots of Coon tracks & set traps for coon. Killed 5 Quails, A warm day.

Jan. 3 Took up traps & moved down
in valley near river & set out same
traps. Had business to attend to
in town for a few hours & didn't
get camped much before dark.

Found a good camp ground
& signs of game.

Saw about 50 Quails & lots
of ducks but couldn't stop to
get them tonight. Found signs
of Arvicolas & caught one
Thomomys.

Warm day, cold evening.
Called on Mr. Adams.

" 4. Went to traps, set more, hunted,
skinned things.

Caught 2 Onychomys & 2 Mus musculus.
Spent time in a creek.

Cloudy, chilly.

Pond mostly frozen in morning
wind open.

Jan. 5 A cloudy & not very cold night

Jan. 5 A cloudy + not very cold night
Had a good catch of mice;
8 *Ochetodons*, 5 *Dipodomys*, one
Arvicola + a *Mus musculus*.
Skinned things most of day.
Hunted + set traps in evening, shot
at a Swan but didn't get it.
Saw lots of Coon tracks + set
traps for coon.
Killed 5 Quails, a weasender.

" 6 Sunday, but supposed it was
Saturday + worked till 2 P. M.
Didn't catch much of use.
made some skins,
Went to church in evening.
A warm, pleasant day.

" 7 Went to traps + caught some *Arvicolas*
+ *Ochetodons* + *Mus musculus* +
found a Coon's toe in one trap
+ a coon, probably, carried off
my big trap.
Went to town + got mail + wrote
letters. Set more Coon traps.

Jan. 8. Took up traps, packed up + went down the river about 6 miles to end of a deep cañon + camped. Set out traps + went down the cañon a ways. The prospect is not very good.

A very warm day,
Tamias common all along road.

" 9. Horses went off + I hunted them till noon. In P.M. hunted ducks but didn't get much. Shot a Swan but lost it. Keays set traps + caught 2 Hesperomys. Traded horses.

" 10 Nothing in traps but Hesperomys + a Tamias.

Packed up + went back to St. George + then up the Santa Clara Creek + camped for the night near Santa Clara

Jan. 11. Went up the creek 3 miles farther + camped in a brushy valley between rocky hills.

The brush is full of birds. Saw lots of Quails + some Texas Woodpeckers - the first of the species met.

Camped near the creek among cottonwood trees. Set traps the rest of day. Coon tracks common.

A warm day + rainy in evening.

J Jan. 12 Rained slowly all night & all day, not cold, but is snowing on the Beaudan Mts.

Went to traps in morning. got 13 *Hesperomys*, 4 of the longtailed species. Made up 8 skins & some birds. Did a little sketching & wrote some in evening, still raining.

" 13 Sunday, Clear & warm till noon, then rained the rest of day & didn't stop for supper. Cooked pancakes in the rain & went to bed early.

" 14, Rained steadily all night & all day. cleared up at dark. Snowed on the hills a little higher up. Could do nothing out of doors & too cold to write in tent. Caught 3 longtailed *Hesperomys* & some of the *Peromyscus*. *Spermophilus grammurus*. *Peromyscus* & *Hesperomys* & *Peromyscus*. 2 mice. A unpleasant day.

Jan. 15. Rained part of day:
Hunted & set a few traps, made
a few bird skins.
Raining in evening.

" 16. Rained & snowed in night &
a wet snow fell till afternoon.
Then cleared up with a cold,
north wind & began to freeze
early in evening.
Snow lays on the hills a little
above us. none in valley.
Did not catch anything.
Went to town in P. M. but did
not get any mail.

" 17 Clear & cold in morning.
Hunted most of A. M.
Worked on report in P. M.
Only got a few birds.
Keays shot a *S. grammurus*
& caught a *Neotoma*.
Cold in evening

Jan. 18. Snowed from daylight till noon
& did not thaw. about 4 inches of snow
fell & remained. Cold & windy.
wrote some on report & tried to keep
warm.

" 19. A cold night with a strong north
wind but the thermometer only went
down to +27.

Hunted coon in morning but didn't
get any. finished up the skins
& packed up & went down to St.
George. Got mail & put up at hotel
for night.

" 20 Sunday. A cold, clear day,
hardly thawed.

Were indoors most of day.
The *Zonotrichia*, *Juncos* & *Brewers*
Blackbirds are numerous in town.

Jan. 21. Got some boxes + packed the specimens + sent them all off by express. Then got our supplies + at 2 P.M. left St. George. Went up the Clara River about 12 miles + camped in valley by the creek. Keays shot a Rosy Finch new to us both, an odd bird. Saw lots of tracks of *Tamias* + *Dipodomys* + *Lepus texianus* in the snow along road. snow covers about half of the ground in valley. is deep on hills. The Clara River runs through a narrow, rocky cañon that is not very deep. The cañon is crooked + along its streams are cottonwoods + brush.

Jan. 22, left the Santa Clara + climbed
over the Beverdam Mountains.

The snow increased till at the
summit of the range where it is a
foot deep. Passing the summit
the snow is soon gone + the ground
bare + dry. A striking contrast
between the vegetation on north
+ south slopes. On the north
are many shrubs + plants new
to me + cedar + *Pinus edulis*:
on the south, no trees, but a
tree like *Yucca* + 6 new kinds
of cacti. *Tamias*, *Lepus syl.*, +
wild cat tracks abundant on the
summit. Birds scarce.

A hard pull over the range but
good road + easy slope down +
we reached the Virgin River after
dark + camped at Beverdam.

A clear warm day, wind
blows down river as usual
on clear days.

Jan. 23 Traveled about 20 miles + camped
a mile past Bunkerville.
Road sandy + had to cross
the river 17 times.

No change of country or life
or plants. One new cacti found.
A flock of jays seen, the first since
leaving Santa Fe.

A large part of the plants are
evergreen shrubs.
A warm clear day.

"24 Followed the river all day.
didn't get to St. Thomas.
Found a new bird, *Amphispiza*
flaviceps. Saw a lot of Snow
geese + common geese.
Roads sand, or muddy.
Crossed river 5 times. probably
made 20 miles.

There are no trees in sight but
a few willows. no snow
but on Virgin Peak.

Scarcely frozen in morning,
warm all day.

Jan. 25 Went about a mile + got in quail sand + came near losing our outfit, had to carry the load out of the river + then take off the wagon + carry it out. Worked till noon + then got things fixed up + went on. Got to St. Thomas at sundown. Windy all of P. M. + a perfect gale in evening, + but few birds seen. Hills + drifts of dry sand are becoming common.

" 26. Made a few skins while Krays set traps, then I set traps + hunted the rest of day. Caught 2 *Thomomys*. Found lots of *L. ucks* + geese + quails + other birds not found north of here.

Grass + many other plants are green + growing.

No frost in morning, a warm day, windy in evening.

Jan. 27 Sunday. Warm, no frost. Windy in evening.

" 28 Very warm + summer like. +72° at noon. no wind in evening. The first evening that there has not been a gale. Went to traps. got a *Dipodomys*, an *Onychomys*, a *Hesperomys*, + 2 *Thomomys*. Set more traps + made skins. Quails are very numerous + not wild. are fine eating. Coyotes killed a hog + eat part of it + the Indians eat the rest.

" 29 Left St. Thomas at 8 A.M. took up traps + carried specimens along to skin in evening. Followed down the river, crossing it 4 times, + camped an hour before sundown + set traps, went about 15 miles. set 24 traps. shot a *Chen hypoborealis* from a flock of 20. Cooked it for supper but it was tough. Made 4 skins in evening. Very warm day, light frost in morning.

Jan.

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Jan. 30 Caught only 3 *Dipodomys*.
Went about 10 miles + reached
Stones Ferry at noon.
Camped + set traps + wrote.
Cold + frosty in morning.
about day.
No new specimens.
Have reached the Colorado at
last. have crossed the Virgin
just 40 times.

" 31 H. Reays caught an *Onychomys*
+ 3 *Dipodomys*, one big one.
Got out early + packed up +
crossed the Colorado R. in a
rowed ferry. Followed down the
river 3 miles + turned off + followed
up a smooth, gravelly wash.
Found no place fit to camp at
river + no country different from
that at mouth of Virgin on N.
side. Followed up wash all
day with desert surroundings
+ desert life. Camped about
20 miles from river.

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Feb. 1. Spent a night on the desert with
no water for the horses.

A cold dry night, froze but no
frost.

Nothing in traps.

A long day without water for
team + slow travelling. reached
Mountain Spring after dark +
paid a dollar for about 40 pounds
of dead grass + 50¢ for water
for team.

Traveled all day up the Deterial
Valley, with scant vegetation of
a little evergreen shrub + a few
small, dry thorny bushes, about
9 species of Cacti, + 2 kinds of
tree yuccas. In all about 20 species
of plants but so far apart the ground
seems mostly bare.

Very few birds or signs of
mammals seen but notes taken
on those seen with distances
from water as near as I could judge.
Mountain Spring is said to be 47
miles from Stone's Ferry.

Feb. 2. Slept cold + got out early +
went across to Dolans Spring,
sailed by the road + a hard climb.
Found an empty house there +
took possession. Got settled
+ made up some skins.
It is Saturday night + we are
tired, so are the horses.
The place seems somewhat
promising.

4 3 Sunday, windy all night
+ day. Wind all flows from
the mountains, east, to the
Ditrial Valley, west.
Froze some in night, but warm
through the day.
Took a tramp over the hills
+ saw a *Tamias* + a *Lepus*
sylvaticus.
Cooked over yucca + cactus
wood.

Feb. 4. A warm night, no frost, warm day.

Went up on the mountains & was out till nearly sundown. Had a hard tramp & didn't get much. Killed 3 *Tamias* of a kind not found before, caught a little *Thomomys* on mountain & killed a few birds.

Set traps. Traps caught 7 *Tamias* in traps near the camp. Made some skins in evening.

" 5 No frost, warm.

Went to traps & hunted. got no new mammals except a *Perognathus* that was half eaten.

Took some birds.

Got more *Tamias*.

Put up 11 skins.

Feb. 6. Went to traps before breakfast, got
a *Urocyon virginianus* + 3 *Thomomys*
+ some *Hesperomys*.

Keays got 3 *Tamias* + others during
the day. Put up skins till noon.
Then wrote some + set traps till dark.
A warm day, no frost, a few
clouds in P.M.

Coyotes howl all around in evening.

" 7 Warm day.

Went to traps + got 3 more little
Thomomys + an *Onychomys*
Shot some Rabbits.

Wrote on report part of day.

Herb Keays caught some *Tamias*
+ 2 *Dipodomys* + made some skins.
is improving in skin making.

" 8 No frost, warm + clear,
Caught a little *Spermophile*
new to me. set a lot of traps
for them. Made some skins

Feb. 9 Warm + windy.

Got 2 more little *Spermophiles*
Took up traps.

Made a few skins + wrote on
report.

Herb Reays went up on mountains
got a new bird - *Salpinctes obsoletus*.

" 10 Sunday,

Warm, no frost.

" 11 Got up early + finished report +
packed up + started at noon
for Mineral Park. Went past
Guail Spring + camped in
valley. made about 13 miles.

" 12 A warm night + pleasant day.

Reached Mineral Park about noon +
found a lot of mail, sent letters,
Could not find a good place to camp
+ so went to Gross Spring, 2 miles
south. Camped + set some traps.
Got some good specimens along
road. Saw some new birds.

Feb. 13. Warm, windy, cloudy a while
in P.M.

Got some mammals, made 8
skins, set more traps, killed
some birds.

" 14 Windy night, rained in showers
most of day + thundered, snowed
higher up. Not much water fell.
Ground dry in evening. Wind strong.

Caught but little in traps.
Hunted horses most of day.
Saw a Burrowing wh.
Heard it in evening.

" 15 +20° at sunrise, snowed in P.M.
about an inch + then went off.
Krays hunted horses all day.
I made 8 mammal skins + a bird
+ packed some skins + kept house.
Weather unpleasant.

Feb. 16. Not cold in morning but windy
+ raw all day + snowing about
half the time. snow melting as it falls.
Hunted horses most of day.

" 17 Sunday. $+20^{\circ}$ at sunrise, clear.
warm a little while in middle of day.
Decided not to hunt horses today.

" 18 $+23^{\circ}$ at sunrise. clear + warm
through day.
Hunted horses among the mountains
till noon, then Kays went another
way for them. A man brought
the horses from Quail Springs,
15 miles back on our road.
Killed a *Geococcyx californianus*,
the first I have seen. made
some skins.

Feb. 19. Made out report, packed & sent
by mail ~~the~~ boxes of specimens &
catalogues & a roll of plants.

Got letters at P.O. & laid in
a stock of supplies for 2 weeks
ahead. Are ready to move
across valley to Mud Spring in
morning.

Krays killed a *S. grammurus* &
caught a little *Thomomys*.

Ground froze some in morning
a clear, warm day.

Did no field work.

Feb. 20. Froze a little in morning, clear,
warm day, some windy.

Packed up in morning & started
across valley for Mud Spring,
but missed it & went on to
Willow Spring. Arrived at one
o'clock, camped & set out
35 traps before dark.
Found plenty of water & a vacant
ranch.

On west side of valley from
lowest part are lots of yucca
trees & some cedars but
less signs of animal life than
in valley & on East side.

Animal life seems to be most
abundant in middle of valley
farthest from water

Feb. 21. Warm, clear, no frost.
Caught some *Thomomys*, a
Hesperomys, a *Perognathus*, + some
Tamias.

Made 8 skins; went to traps
twice. Keays went to his traps +
hunted for a spring nearer the
valley, but didn't find any.

" 22 Keays went to his traps on hills + got
2 *Tamias* + a *Thomomys*, + caught
a *Hesperomys* at camp.

Went to my traps lower down + got
2 *Dipodomys*, + a *Thomomys* + later
a *Thomomys* + 2 *Tamias*.

Made in all 15 skins, hunted
horses, tied tags + labels.
Didn't get much time for out door
work. Watched some birds that came
to drink.

A warm night + day.

Feb. 23. Warm.

Went to traps & hunted horses before breakfast, climbed two mountains & walked 10 miles & got back at noon.

Caught some things & made some skins & wrote all of evening.

" 24 Sunday, warm & pleasant.
Wrote & read most of day.

" 25 Rained a little in night & by showers all day. some thunder.
Not cold.

Keays went to Mineral Park for mail. I made out report & set some traps. didn't catch anything of use in morning.

Feb. 26. Clear + cool. windy.
Caught + skinned 2 *Perognathus*
+ skeltonized a *Tamias*.
Keays hunted horses in A.M. +
I hunted them in P.M. but
didn't find them, so couldn't start.
Set out all the mouse traps for
Perognathus.

27 Clear + pleasant.
Didn't catch anything but a
Neotoma. Wind blew hard all
night + nothing moved much.
We both hunted for the horses in
forenoon + they came up them-
selves for water at 1:30. They
had had no water for 5 days
but did not seem very thirsty.
Packed up + started at 3 P.M.
+ camped just at the entrance
of Union Pass.

- Feb. 28. Warm + pleasant.

Climbed over the divide in Union Pass, found the roads fearfully rough + steep. Had to drive over a pile of great boulders for a long way up the cañon.

The scenery in the pass is very rough + picturesque with great bare, rock cliffs + peaks + spires + needles. Came down the west slope by following the ridges + washes, reached the river a little after noon + camped at old Harpers Ferry.

Took traps + went up into Pyramid Cañon + threw 2 set traps below.

Found vegetation away ahead of that east of the pass. Many flowers in blossom + grass + weeds green. Some birds nesting.

March 1. Warm night, + very warm day, +79° at 2 P.M.
Went to traps + got some big
Dipodomys + *Hesperomys*,
Went farther up Pyramid Cañon
but found no signs of anything new.
Killed some birds, one *Phainopepla*
nitens, which has bothered me
since Jan. 30. They are breeding.
saw a gull but don't know what.
A lot of bats flew along the river
in evening + Keays wasted several
shots of them.
Warm in evening + we are both
boonfooted.

" 2 Warm, 52° to 82°. little wind.
Went to traps up cañon but didn't
get much. Made some skins
Wrote in evening.
Made hooks + set for bats.

" 3 Sunday, warm, 81° at noon.
Caught 2 *Onychomys* + 2 *Perognathus*
near camp.
River water is bad. affects us both.

March 4. Got up early, took up traps,
caught nothing of use,
made 3 skins, packed up
& started for Ft. Woburn
at about 10 AM.

Found a *Phainopepla* nest
with 3 eggs, caught 3 horn-
toads & a very pretty swift.

Reached the Ft. at 3:20 P.M.

& got our mail & supplies
& then went down by a
lake 3 miles south of the
fort & camped. One bat
came around early but
the first shot missed it &
it left.

Warm & cloudy.

" 5 Rained in night some through
the day.

Keays left in morning,
made out my *Hesperis* report,
set a few traps, wrote in
evening. Windy & bad for
hunting.

March 6.

Clear + very warm.

Hunted most of forenoon +
set a few traps. Killed a
Black capped Gnatcatcher.

Went to P.O. + set more traps
in P.M.

Saw a few bats in evening
but missed them at two shots.

" 7 50° at daylight. warm day.
Lost a trap + a coon in it.
Caught 4 *Dipodomys deserti* +
a *Dipodomys agilis* + 2 *Tamias*
+ a *Perognathus*. got the foot
of a *Spermophile*, probably of
tridecemlineatus.

Made 6 mammal skins + a bird.

+ put a *Dipodomys* in alcohol.

Have 29 traps set.

A busy day.

Took a swim in evening.

Didn't get a shot at bats.

Weather pleasant.

March 8. Clear + warm.

Caught a *Tamias* + two
Dipodomys deserti - one of them
about mid day - , a *Perognathus*
+ shot two Bats new to me
in evening.

Went to P.O. + got Rothrock's
botany.

Hunted horses but didn't
find them.

" 9 Caught a Skunk + *Vulpes velox*
+ 4 *Dipodomys deserti* + 3 *Perognathus*.
Put up 8 skins + skinned a
fat skunk. went to traps twice
had to swim to middle of pond
to get the skunk.

Drew a *Dipodomys* sketch
in evening. Have been busy
from daylight till late in
evening + am sleepy.
A warm, pleasant day.

- March 10. Sunday. Warm.
Remained at camp all day.

" 11 Put up Skunk + Fox + 4 smaller
skins, went to traps + set part
of them over. Caught three
Spermophilus torricandus + some
Dipodomys. Saw two Skunks
but did not kill them. One
came up near my camp fire
in evening while I was cooking,
but ran into the brush before I
got a shot at it.
Cooked + made tags
in evening.
Warm + pleasant.

" 12 Caught a *Neotoma* + a *Hesperomys*
+ a *Perognathus* + 2 *Dipodomys*
agilis. Shot a *Spermophilus torricandus*.
Made 8 skins + hunted in
evening. Studied botany a
little. Went to traps twice.
Warm + pleasant.

- Mch. 13. 46° in morning. Rained most of P.M., quite hard for half an hour, then stopped & soon the water came pouring down the wash in a torrent that lasted about half an hour.

Caught 2 *Hesperomys l. sonoriensis* + 4 *H. longtailed*, + a *Perognathus*. Skinned these + then it rained + I studied botany.

Rainy in evening.

" 14 Rained part of forenoon. Went to traps, got wet + got one *Hesperomys*. Cleaned my gun + loaded shells + then got the horses up + put them. Studied some botany + set traps over.

Lost my best trap on a Coon. Wrote in evening.

- May 15, +48° at daybreak, clear night
but rained by showers all
day & steadily towards
night.

Caught a *Hesperomys* & a *Neotoma*
& a *Lepus sylvaticus*.

Made 3 skins & in P.M.
went to P.O. with team.

Got wet.

Got a new supply of grub.

Rather poor days work.

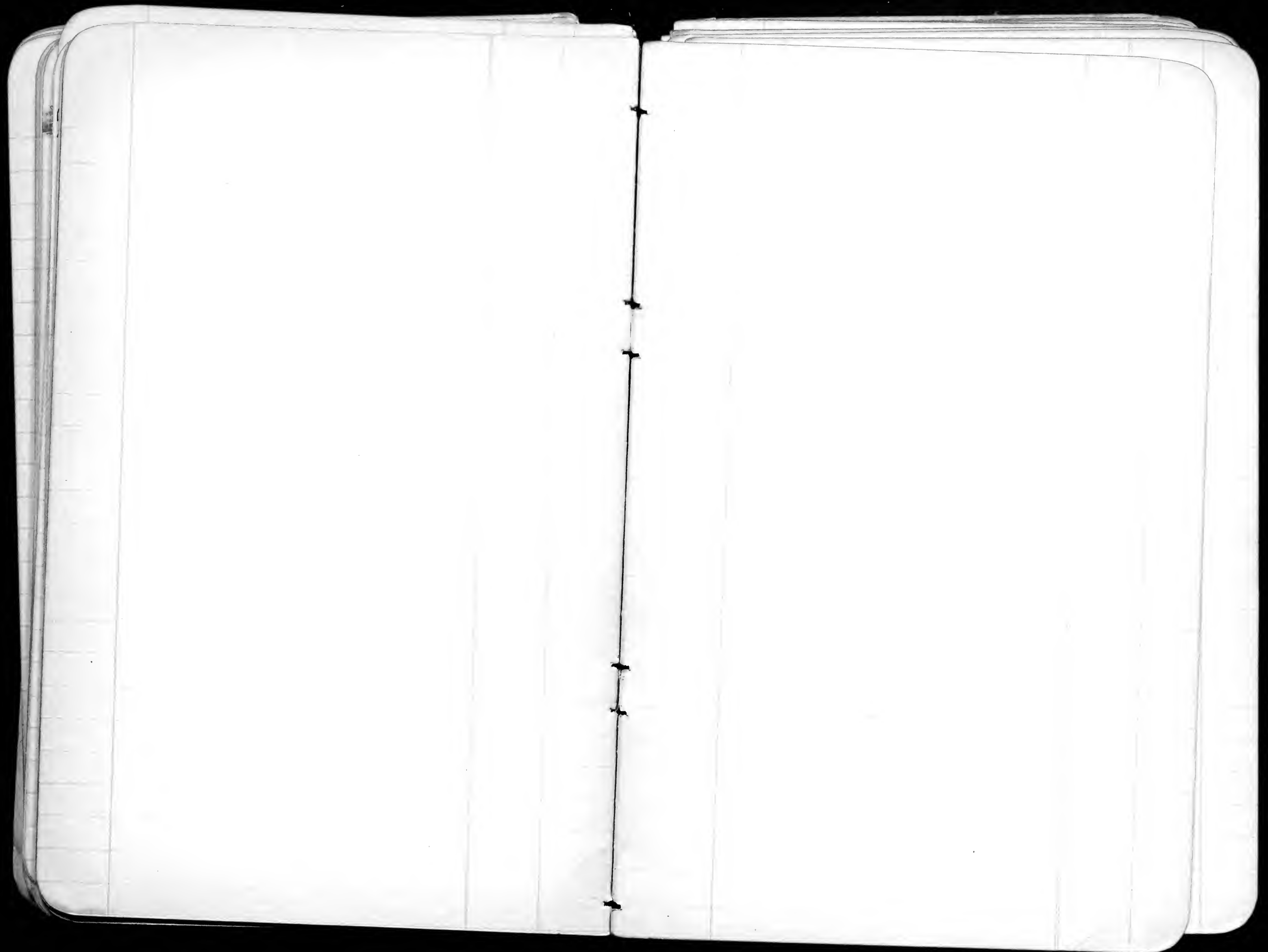
" 16 Went to traps but they were rained
full of dirt & only caught a
Perognathus & 2 *Hesperomys*.

Skinned these, studied botany.

prepared & labeled plants, &
made out a report on plants.

Mostly cloudy, with rain in
evening.

Not much accomplished
today.



Feb. 17 Sunday. 46° at daylight.

Clear + warm.

Wrote letters.

Went to an Indian fish
barbecue, + visited a
home + farm. Watched
them get supper + had a
taste of their bean mush.
Learned lots about Indians.

" 18. 45°, Clear + warm.

Went across flats to the
river + then out across
the mesa. Took up the
rest of my traps. Brought
in the horses.

After noon went to P.O.

+ got instructions to proceed.

Worked on report after I
got back + in evening.

Mon. 19. 47° to 79, clear,
Wrote 16 pages of report,
Went hunting, packed 5 boxes
of specimens, & wrote letter
in evening.
It is late & I am sleepy.

" 19 Packed up & started to Needles &
reached the ferry at 3 P.M.
but the wind blew so hard
they couldn't cross river.
Staid over night at ferry house.
A dry windy day & the air full
of dust.

Found a lot of birds in a
cottonwood grove on flats, kinds
I had not seen before. A large
drove of *Dendroica auduboni*,
Redwing Blackbirds, Gila Woodpeck-
ers & Robins.

Road fairly good.

March 21 Crossed ferry early for \$5.00
& paid a dollar for 25 lbs. of
barley straw.

Drove into Needles & sent the
specimens by mail. Sold
my team & wagon. Camped
on river bank & before night
bought a boat.

Am ready for an early start
down the river in the morning.

" 22. Started down river before sunrise.
Got onto sandbars & had to
get out & push. Found I
couldn't row, paddled &
steered & lit her run.

Got into some pretty rough
whirls, but went along
first rate. Passed through
several miles of cañon in
the Hovav Mts. These mountains
are all but bare rock. scarcely
a green thing.

Camped just at south end of
cañon. Tied up early & set 32 traps.

Mch.

on the west side of river.

Camped where I saw the first
flowers of *O. funtius basilaris*,
great crimson beauties. These
were not nearly in blossom
at Mohave, 71. The flowers
seem to be affected by lat. &
the south side of mountains.

A clear, windy day, wind
blowing down river & follows
the turns of cañon.

Probably came 25 miles.

Shot bats in evening & killed
one little kind new to me.

They fly so fast I could not
hit any more. Saw probably
6 or 8. fly along river & around
rocks.

Mar. 23. Found 2 *Perognathus* & 4
Hesperomys in my traps
packed up early & started
at sunrise. Found the river
mostly smooth & steady.
Could handle the oars some
today & handle the boat better
in rough places.

Went several miles through a
valley with brush, then came
to rocky banks, & mountains
near. Stopped at a deserted

mine & mill, Ringon Mining
Co. No. 10. Found a Beaver skull.

Passed the mouth of a creek
on East side of river at 3 P.M.
& then entered a deep Cañon
& found rough water & hard
whirls to get through.

Saw here on the cañon sides
the Giant Cactus, First I have
seen. Came to another ore
mill at about 5 P.M. &
learned that it was about 75 m.
to Needles & 190 to Yuma.

Bill Williams Fork

9
Came about 50 miles today
& camped on an island a
few miles above the Indian
agency.

Have a lame arm & blistered
hands.

Put up the morning's specimens
in evening by candle light.

A warm day, but little wind.

The country is very bare &
rocky except the brushy
river flats.

Didn't see many birds &
no mammals. Saw a
few Beaver tracks & lots of
Coon tracks.

Feb. 24.

Sunday.

Staid on the island all day. Wrote, read, + rested.

A very warm day.

Hesperomys tracks + tracks of Lepus sylvaticus on the island. Island low, brushy + sandy.

.. 25.

Started before sunrise.

soon passed Indian Agency + sent 2 letters to P.O. by an Indian. Ran steadily + at good speed till 3 P.M. Camped on W. side of river + set 27 traps.

Killed an Ash throated Flycatcher.

Saw small birds in timber along river but did not stop to get them.

All day in a broad valley + mountains all around.

A good deal of cottonwood timber along river flats.

A warm day.

Probably ran 35 miles.

Mich. 26.

Caught one of each kind of
Hesperomys & 4 *Perognathus*.
Took up traps & started early.
Reached Ehrenberg about noon.
Bought a Beaver trap & camped
at 2 P.M. Set beaver traps &
15 others. Made 6 mouse
skins & a bird skin.

Camped on E. side, about 10 miles
below Ehrenberg. Probably
ran 35 miles.

A broad valley with much
cottonwood timber all along.
Beaver slides & tracks
common. Wrote a letter &
sent from Ek.
Still a 100 miles to Yuma,
or more.

Saw several flocks of Pelicans.
Camped on sandy, brushy
flats about 8 feet above water.

Feb. 27.

Caught a *Perognathus*,
a *Dipodomys agilis*. & a *D. deserti*.
No Beavers.

Didn't get started till after sunrise.
ran almost steadily till 3 P.M.
Camped on east side of River
15 miles above Norton's Landing
& 5 miles below the Paymaster Mine.
Set traps - 15. Made 3 skins.
got supper & baked bread for
tomorrow.

Tramped over the hills about
half an hour at noon but
found no signs of life.

The high ground seems to be
too bare & stony to support life.

The broad river valley with timbered
flats that I struck at the
Colorado Agency, the morning
of the 25th, here narrows down
to a little strip on one side
of the river & soon ends at a
rocky cañon.

Clear & warm. 83° at 3 P.M.

7
Mch. 28.

Caught 3 *Peroquathus* +
2 *Dipodomys agilis*.

Reached Nortons a little
before noon, 15 miles.

Camped on east side of river
in Canabake Canon, probably
10 miles past Nortons.

Set traps for Beavers + Musk
Rats + other things.

Camped early. Ran about
25 miles.

Banker rocky with flat
patches between the points +
brush on these. Mountains mostly
bare rock with not a green
thing in sight. A thick border
of canes extends along each
bank where not solid rock.

Beaver live in these + I found
one track of a Musk Rat.

Killed a little bat in evening
+ shot at a lot more. They are
numerous + seem to be all of this kind.
Made 5 skins by candle light.
A hot day.

May 29. Caught 2 *Hesperomys*, a *Perognathus*
+ 2 *Neotomas*.

Didn't get up till sunrise. +
by the time I had taken up the
traps, got breakfast. + packed
up ready to start it was
about 8 o'clock.

Ran steadily till about 5 P.M.
+ camped on West side of river
in sight of Ft. Yuma.

The river is broader + the current
stronger than above Canabreak
Cañon. After passing a little
Cañon at Castle Dome, the
valley widens + is covered
with cottonwood + brush.

In places is 10 miles wide.

Ran about 50 miles today in
9 hours.

Set 21 traps. Saw no bats.
The little bats seem to be
common only in Cañons or
among rocks.

A warm day.
No signs of Marsh Rats.

Mex. 20. Caught a *Perognathus* + a
H. l. sonoriensis, + about 9 A.M.
a large *Arvicola*.

Made 7 skins.

Wrote a letter + started to
the P.O. but found a river
between me + the fort so had to
come back.

93° (7) in the shade at noon.

M 21. Sunday.

56° at sunrise, 88° at noon.

Clear. river falling.

April 1. 50° to 88°, clear + hot.
Tramped well over the flats
+ found it was almost an
island. Found no signs
of Arvicolas + my traps have
not been sprung for 2 nights.

Took up traps + ran down
to Yuma. Got mail + ran
down river about 8 miles.
Camped on west side in
large brush on flats.
set my Beaver traps + some
traps for Thomomys +
small things.

hauled in a number of
plants + examined the bank
for signs of Arvicolas. found
none.

Coot tracks common.

Beaver ..

A broad, low valley stretches
away toward the gulf.

April 2. 50° to 88°. Clear.
Caught 2 Neotomas, a Perognathus.
2 long tailed Hesperomys + one
sonoriensis, 12 Thomomys,
no Beavers.

Made 7 skins + skinned
4 Thomomys in evening.
Havint been over 20 rods from
camp today.

An old trapper came by with
20 Beaver skins & a Conger skin..
Stopped + had a talk. Learned
some things from him.
Caught a snake in trap.

" 3 Caught a Skunk, a Hesperomys
& a Perognathus.

Made 13 skins.

Found 2 young Neotomas.
Wrote letters in evening.
Hunted a little.

Took up most of traps.
Clear + warm.

April 4. Took up traps made 4
skins, went to town a
foot.

Crossed the river, ran
up a side channel + camped
in Arizona. about opposite
my camp ground on other
side.

Set 12 traps. Cooked
enough to last all day tomorrow

A pleasant day. a good
breeze from the S.W.

A little ant bit my hand
while digging for *Thomomys*
holes, + it hurts worse
than a bee sting.

Apr. 5 Caught a *Thomomys* in morning, during the day a *D. deserti*, 3 *Spermophilus tereticaudus* (longtailed), & another *Thomomys*.

Made 6 skins.

Set more traps.

Went up on mesa. found some fox holes, not fresh. Not very hot. a breeze & some clouds.

Worked late in evening.

Apr. 6 Caught 3 *D. deserti*, 3 *Spermophilus tereticaudus*, 1 *Perognathus*. Skinned them all. Killed 3 rattlesnakes. skinned 2 of them. Got a *Harpagophryne lecontei*. Went to traps twice about a mile to the south. A pleasant day. not hot.

Apr. 7. Sunday. warm, 92° (7).

" 8 Went to traps + tramped over mesa to look for Fox holes. but didn't find any. Caught 6 *Spermophiles* + 2 *Dipodomys deserti*. + a *Thomomys*. Set some more traps. Made 8 skins in P.M.

Some clouds, windy.

" 9 Wind blew hard all night + all day. some cloudy. Didn't catch much. Made 4 skins. Hunted for Fox holes + bird nests. Found an *Amphispiza* nest with 7 eggs + another nest with no bird around.

Apr. 10. 44° in morning. not hot.
Caught + shot 4 *Spermophilus*,
5 *Tamias*. *Tamias* all
young. Saw more.
Found a *Vulpes macrotis* den
+ set 6 traps at the holes.
Saw the old Fox + 2 young
ones. Made 6 skins.
Caught a lizard + a toad.
Loaded shells in evening.
Caught a Badger in
a gopher trap.

" 11 Cloudy + windy with a
heavy storm to the east in evening.
Caught one old + 2 young
V. macrotis in morning + a
young one in evening.
Caught a *Mus musculus*, an
Onychomys, a *H. sonoriensis*,
a *Dipodomys agilis*, a *Thomomys*
+ 2 *Spermophilus tridecemlineatus*.
Made 8 skins. Went to town +
to traps twice.

Apr. 12. Went to Fox traps first thing in morning. Got one young Fox.

Caught a *Spermophile*. Have not baited nor reset all of the traps for a day or two.

Came back about 9 A.M., got breakfast & went to work.

Skinned & all but stuffed a Badger & 5 foxes. Made 3 *Spermophile* skins. Set a Badger trap at hole where I saw a Badger digging. A pleasant day, not very hot. Frogs - or toads - singing in evening.

13 Caught one more young *Vulpes macrotis*, a Badger & two *Spermophiles*. Finished up yesterdays skins & put up those of today's catch. Pleasant & not very hot.

Apr. 14. Sunday.

" 15 Caught one more young
Fox + 5 *Spermophiles*.
set most of my traps +
went to them twice.

Made 3 *Spermophiles* + a
Fox's skins.

Hunted for foxholes but
did not find any.

" 16 Caught 3 *Spermophiles* +
2 *Perognathus* + a *Thomomys*
+ *D. deserti*, + shot 3 young
Tamias l. bairdi.

Shot a hummingbird +
warbler.

Saw a Jack Rabbit, not
Lepus texianus - no black on
ears.

Made 8 skins, went
to traps twice.

A warm day. Clear.

Apr. 17. Caught a *D. deserti*, a
Spermophilus tereticaudus, +
a *Perognathus*. + shot a *Tamias*
Took up half my traps.

Got back in time to make the
skins before noon.

In P.M. packed 2 boxes of
skins. Watched for bats
in evening but did not see
any.

A pleasant day.

"18. Wind just howled all
day + the air full of
sand. Woke up with
my ears + eyes + mouth
full of sand.

Went to traps + to town.
Caught one *Spermophile*.

Got letters + instructions.

Wrote on report some in P.M.
but couldn't do much for
sand. The wind has gone
down in evening but my eyes
hurt so I can't work.

Apr. 19. Caught nothing. took up
the rest of my traps.
Worked on report the rest of
the day. did not get done.
No Bats in evening. set
a few mouse traps near by.
a pleasant day.
Water in river 72° at sundown.

" 20

55° in morning. 95° at noon.
Finished my report + shot
5 birds + made 3 skins
before noon.

In P.M. packed some things.
Filled several stomach
schedules + wrote letters in
evening.

" 21 Sunday
Hot - 95° in the shade.

Apr 22 Pulled up camp & went
up to town. Finished
packing the specimens
& sent the box by
express.

Found I would have to
wait till tomorrow morning
for a train east to Texas
Hill.

Got a few notes from
an old river captain.

Bats were common in
town in evening but I
saw none out where I
could shoot them.

102° by a town thermometer.

Apr. 23. Left Yuma at 9 A.M.
Reached Texas Hill at noon.
Followed the Gila Valley
all the way.
In P.M. went to the
mountains & set 16
traps. Shot 2 young
Spermophilus.

A hard & hot tramp of
12 miles. Got back late.
Specimens spoiled, feet
blistered, tired & fearfully
thirsty.
107 by station agents thermom-
eter.

Apr. 24. Went to my traps up on
mountain. Caught one
Perognathus - it was cooked.
Killed my first Mocking-
bird & saw another.
Got back at one o'clock
very tired & used up with
the heat.

105° by the agents thermometer
98° by mine. The wind
feels like a breath from
an oven.

Caught a *Spermophilus*
& set more *Dipodomys* traps
in evening.

Apr. 25 Caught 2 *D. deserti* +
shot a young *Spermophilus*
+ some birds.
Made 4 skins + made
out a small report.
Not so hot today.
Took up my traps +
intended to go back to
Taeva tomorrow morning

" 26 Took the 8:30 train for
Taeva - 22 miles W. of Texas
Hill - Took a bag of traps
+ gun + valise + blanket.
Sent trunk to Maricopa.
Set traps for *Thomomys* +
got to before dark.
Found a den of *Vulpes*
macrotis. set all my traps
thru - 8. Saw the old fox +
3 young. Shot at the old one
+ward her back.
They had 48 holes on a flat
plain.
101° by my thermometer. heat soaring.

(Apr. 27) Caught one young *V. macrotis*.
Left Taava at 10:30 +
reached Maricopa at 3 P.M.
+ reached Phoenix at 5 P.M.
But little change of country
to Maricopa. *Dipodomys*
deserti holes + *Howarys* hills
common most of the way.
The Gila + Salt River Valleys
at Phoenix are level,
+ well farmed.

" 28 Sunday.

A quiet day, had a
good rest. The town
is full of trees + the trees
are full of birds, some
kinds new to me.

Apr. 29. Took gun & bag of traps
& started for the country
to the south. Came to
a river in about a mile
waded it. set traps &
hunted on the islands.
Got some birds & found
a few good places to set traps.
Got back at 2 P.M.

Made 3 bird skins, loaded
shells, cleaned gun & ect.
Think I can catch a
Beaver here.

Birds are numerous

" 30. Went to traps & hunted all of
A.M. Caught a *Thryomanes* &
2 *Hesperonotus leucogaster* & a
Mimus musculus.
Shot some birds. set more traps.
Made skins in P.M.
Not very hot.

May 1. Went to traps, caught
some *Hesperomys* & *Thomomys*.
Shot some birds.

Did not get the Beaver.
Made skins in P. M.
A warm day.

" 2 Went to traps & hunted as usual.
Caught but little. Shot some
birds. Had but few skins
to make so went out along
the west road in afternoon
& shot birds for gizzards.
Found them eating hel-
worms & oats.

A warm day, cloudy
towards night.

Ar May 3. Took a horse & went
across the river to the
mountains about 8 miles
S. W. of town.

Killed one *Tamias harrisi*
& saw 2 more. heard
some *Spermophilus tridecemlineatus*
saw many holes of *D. deserti*.
& Badger holes.

The mountains show little
signs of life. no water &
no one lives near them.
I made the trip principally
to find a place to board or
camp near the Mts. but
failed.

In P. M. hunted birds
along fields. got a lot
of gizzards & a Jack
Rabbit.

A warm day.

Ar May 4. Went across river &
found a new place to board.
Only caught a *Thomomys*.
Shot a *Spermophile* & some
birds.

" 5 Sunday - warm.

" 6 Packed up & went across
Salt River & camped
with old back Viall.
Hunted awhile but didn't
do much but get settled
& ready for work.
Am now between the river
& mountains & can
work to both.

" 7 Caught nothing. Shot some
birds & made 10 skins &
a *Spermophile* skin.
set more traps.

May 8. Went to traps before breakfast
Caught a *Hesperomys* & a
Rabbit.
Shot birds & skinned
them most of the day.

" 9 Caught an *Onychomys*.
Shot some birds.

" 10 Caught 2 *Onychomys* & a
Perognathus & 2 *Thomomys*
& shot a lot of birds &
made skins.
Made 8 bird skins &
6 mammal skins.
A cool day. & pleasant.

" 11 Went to town & to traps at same
time. got back at noon.
Caught some *Dipodomys*
& *Thomomys*.
Made 6 mammal skins &
3 bird skins in P.M.
A warm day.

Ar May 12 Sunday, warm.

- " 13 Got up at 4 o'clock & went to my hawk nest & killed one of the old hawks & got the 4 young. It proved to be *Parabuteo unicinctus harrisi*. Skinned the hawk & loaded shells all of A.M.

In P.M. set 23 traps & shot 2 *Spermophiles* & put up their skins in evening.

A warm day.

- " 14 Went up on mountains, & to top of highest peak. Saw a large Blacktail Deer - a doe. Killed 3 *Tamias lamarri*, saw more. Set a few traps at base of mt. Got back at 5:30 P.M. A hot day.

Mr. May 15 Had a spell of indigestion
probably from eating cactus
fruit yesterday. Did not
feel able to walk so staid
at home all day. Made
11 mammal skins. Set
mouse traps around house.
Feel better at night.
Wind howled all day + air
full of dust.
Left home a year ago today.

" 16 Went to top of mountains + set
traps. Took all day. Killed
some birds + Tanias.

Made skins in evening.
Cool + windy.

Found a sand basin
on side of mountain with
a little water trickling out at
lower edge. Bird feathers
were scattered about + probably
birds come to it to drink.

May 17 Went to traps on mountain.
Started at 7:30 & got back
at 3 P. M. It is 5 miles to
the top - a hard climb of
probably 2500 feet high.
Caught 2 *Perognathus* in
traps at holes on top of the
highest peak: both were cooked
by the sun before I got them.
Took up traps.
Saw 2 Jack Rabbits.
A warm day.

18 Killed a Jack Rabbit & a
Quail before breakfast.
Skinned these & hunted
till noon. Got a *H. leonti*
& a *H. palmeri* & 3 *Campylorhynchus*.
Made skins in P. M.
Studied birds some.
Have been busy since sunrise
but have not done much.
A warm day.

May 19.

Sunday, warm, 102° at 2 P.M.
A *Campylorhynchus* sat on
top of a Mesquit tree & sang
for over an hour in the hottest
part of the day. It is a nice
singer too.

" 20 Hunted before breakfast & then
till noon. Killed some
birds & a *Spermophile*.
Made skins from noon to
supper, then set traps till
dark - 23.
Warm, 103° at 2 P.M.

" 21 Went to traps before breakfast.
Caught 4 *Dipodomys* & a *Perognathus*.
Skinned these & studied botany
till noon. Hunted & skinned
birds in P.M. & evening.
Saw 4 bats flying from Mts.
at 7 P.M.
Caught a *Gila Monster*.
Hot. 104° most of day.

May 22. Took up traps. made
2 skins + begun on report.
Went to town in P.M.
Got mail + instruction
for proceeding.
A warm day. 101° at 1 P.M.

May 23 Finished report + packed
the specimens.

May 24. Went to town, sent the box
of specimens, + left Phoenix
for Tucson at 1 P.M.,
reached Tucson at 7 P.M.
Took some notes along the
R.R. Saw lots of Jack Rabbits
from Maricopa to Tucson.
A hot day + a dusty ride.
Put up at the Palace Hotel.

May 25. Called on Mr. Brown &
spent much of the day with
him & looked over a part
of his fine collection of bird
skins & eggs in evening.
Hunted part of the forenoon.
Got a Jack Rabbit & some
Spermophilus tristis
Decided to go to Mammoth
but can not start till
Monday morning.

Tucson is mostly flat.
top Mexican adobe houses
with narrow, crooked streets

~ 26 Sunday
Staid in Tucson all day.
The stage leaves for Auricle
at 7 A.M. in morning.

May 27. Left Tucson at 7 A.M. & reached Auriel at 3 P.M. About 35 miles.

The road follows around the Santa Catalina Mts., over the foot hills & rises some 2000 feet to the ranch at Auriel.

Live oaks are abundant all around & for 2 miles below Auriel. No pines until away above.

Saw some new things along the road. Shot a *Callipepla squamata*. Saw 2 *S. grammurus* & some *Tamias lanius*.

Charged gun & loaded shells & copied catalogues till late.

Bargained for a pack mule to go to the top of the Santa Catalina Mts. tomorrow - 35 miles.

May 28. Wrote some letters in morning.

Took a mule & packed on some flour & bacon & crackers & started for the Top of the Santa Catalina Mts.

Went about 25 miles & camped at an old mine on base of the mountains.

Set a few traps.

" 29 Climbed up past the Coppermine & at about 2 miles farther up camped at an old coal shanty in a gulch by a little stream & among large pines.

Saw a Bear track & several Panther tracks in road; killed a new Chipmunk & saw a large Gray Squirrel.

Killed a Bat in evening & saw more. Had some of my own bread for supper & some bacon.

Turned in on a pole bunk.

May 30. Caught 2 *Hesperomys eremicus*.
Killed another big Gray
Squirrel + a *S. grammurus* +
a Chipmunk + some birds.
Made skins, set traps, +
hunted.

Killed a little Bat.
Cloudy in evening.

" 31 Caught a new kind of
Thomomys with a black face
+ back.

Went up on the summit,
could look down on Tucson
+ Mammoth + Camp Grant
+ see away in Mexico.

The pine + spruce are larger
at the summit. There are popples
+ maples in the gulches.

Strawberries + lupines + painted
cups + yellow honeysuckles are
in blossom. grass is luxuriant.
Saw several Bear tracks, one
very large + several smaller,
they were fresh + the mule was afraid.

June 1. Went to traps & hunted awhile in morning, then worked rest of day at specimens. Made 12 skins. Shot a Bat in evening.

A warm, pleasant day.
Have not felt well.

" 2 Sunday. A few sprinkles of rain in night & all day.

" 3 Killed some Chipmunks & a pair of *Columbia fasciata* & a Whippoorwill & a *P. cerulea*, the last 3 all new to me. Hunted, made skins, & set traps. Watched for Poor-wills in evening. Saw none.
A cool day & cold evening.

very were present & the snail was afraid.

June 4. Tried to rain but failed.
Killed a *Melanerpes f. bairdi*,
+ a Painted Redstart, both
new to me.

Hunted + made skins as
usual, did not go far from
camp. Saw 2 Deer + shot
at one. Found Panther
tracks in my yesterdays
tracks + one within 36 feet
of my door.

" 5 Hunted in morning, then
made skins, cleaned gun
+ loaded shells. Packed
the skins to carry down
to Oracle.

Have been 8 days alone on
the mountains but not a bit
lonesome.

Had a lively thunder storm
+ hail. My camp leaks
+ things got damp.

June. Got up early, cooked my breakfast, packed things on to Spoofendyke, & started down the mountain as the sun came up.

Reached Strattons ranch at 9 o'clock & had a social chat after an 8 days solitude. Arrived at Oracle at 3 P.M. & found they had planned to go after me tomorrow. I intended to stay a week but was away 10 days.

Rode mule back for 30 miles & down 4000 feet of mountain. Took 9 solid hours of slow riding.

Have been troubled all of the time with my old complaint & felt weak & not like crowding work very hard, otherwise I could have accomplished more.

Cool, wore a coat all day.

Ja June 7. Wrote some, made some
bird skins, hunted, set
a few traps, wasted two
hours watching the ranch-
men catch & brand calves.
shot a Poor-will in evening.
& wrote some more.
A cool & very pleasant day.
Am trying a diet of bread &
milk & feel better.

" 8 Hunted & made skins,
Didn't go away far.
A pleasant day.

" 9 Sunday.
Not feeling very well but
better than for some time back.
Weather splendid & water
is pure.

June 10 Hunted & made skins.
Went down a wash for
about 3 miles. found some
new birds & saw lots of
Lepus sylvaticus & *texianus*.
Killed a pair of Serps
in evening & a Bat.

" 11 Went with Mr. Dodge 3 miles
down the valley for a sheep
& killed 2 little *Spermophilus*
with spotted backs, new to
me. Killed two more later.
& a *Callisitta squamata*.
Set 20 traps & made
some skins.
A warm day, but I feel
well again & can eat
enough to work on.

June 12. Went to traps before breakfast & caught 3 *Dipodomys deserti* & an *Onychomys* & a *Hesperomys*. Saw a Coyote & 4 white tailed Jack Rabbits.

Took a mule & went down to Manworth - 15 miles. Hunted along & did not get back till 8 P.M.

Got a lot of mail.

Killed a little Spotted *Spermophile* & 3 *Tamias larrisi* & some birds.

" 13 Worked on yesterdays specimens till noon. In P.M. hunted & set traps. Killed a white rumped Jack Rabbit & some birds. Got a little Bat in evening.
Warm, some clouds.

June 14 Went to traps, caught two
Dipodomys agilis (?). Took
up traps. Killed a *S. mollis* +
a *Lepus texianus*.

Made skins + killed two
Lepus sylvaticus (?) + skinned
them in evening.

Got 2 Bats in evening.

A warm day, up to about
90°.

" 15 Killed 3 Rabbits + some birds
Put these up + worked from
4 P.M. till 12 on report.
Hope to get packed up +
ready Monday to start for
Tucson early Tuesday.

" 16 Sunday.
A pleasant day.
Wrote letters

June 17. Got up at 4 o'clock & began our report. wrote till 9:30 ~~am~~ Then packed specimens & packed my trunk & am ready for an early start tomorrow for Tucson.

"18 Started for Tucson at 8 A.M. & arrived there at 2:30. Had to wait till 7 P.M. for the train to El Paso. Spent several hours with Mr. Brown.

Saw many *Tamias larrisi* all along the road to Tucson & the holes & mounds of *Dipodomys deserti* (?) were numerous to near Tucson.

S. tereticaudus were not seen until near town & then were numerous.

It was dark when the train started.

June 19. Reached El Paso at 9:30
A.M. Had about 5 hours
of daylight before reaching
the Rio Grande R. All of
that time we were passing
over a level, grassy plain,
almost uninhabited.
Holes & mounds of *Dipodomys*
deserti (?) were common
all along to near the river
valley. So were other small
holes of probably *Spermophilus*
& small *Dipodomys*.
Very hot at El Paso, 105°
at 3 P.M. My old complaint
has returned. I did not
go for a tramp till towards
evening & then found
only a Coon & few Rabbit
tracks. Found no place to
set traps. Saw one
Salpinctes & 2 Night
Hawks. Saw Bats in
town in evening.

Jan 20, Went down the river flats in morning. Shot a *Spermophile* + set trap for Gopher. Didn't go far, saw few signs of animals, some birds in trees. Did not do much all day, but + I am not well.

Went down to the river again after supper + shot 3 Bats + caught a *Geomys* + set more traps. Bats were thick. A hot day, 106 at 5 P.M.

"21" Went to traps + hunted a little in morning + evening. Got another *Spermophile*.

June 22, Packed up & left El Paso
at 2 P.M. for Albuquerque.
Followed up the Rio Grande
Valley to Rincon, then struck
across a quite level & grassy
plain till dark.
Saw Prairie Dogs near
Engle.

.. 23, Reached Albuquerque, N.M.
at 3 A.M.
Woke up in a new town,
sick. Went to a doctor &
he gave me some quinine.
Sunday.

June 28. Have had jaundies but
am better.

Took a strut car ride of
a mile to old Albuquerque.
Made friends with some
Wool & hide dealers & got
some notes.

" 29 Got some information about
the country. Laid in a stock
of supplies ready for a start
Monday morning for the
mountains.

Feel quite strong again.

" 30 Sunday

July 1. Took the San Pedro stage for Harris station, 20 miles east of town. Didn't like the looks of Harris, so came on to San Pedro, 35 miles from Albuquerque.

This is not a good place either. There is no open water near & animal life is poor. *Pinus edulis* & Cedar are thick all around & the principal timbers.

Saw lots of *Cyanomys gunnisoni* all across the bad mesa about 15 miles between Albuquerque & the mountains.

" 2 Tramped till most noon. Found no water & little game. Got a *Tamias quadrivittatus* & saw more. Can't find a place in town to board. It is full of miners. Pitched my tent just out of town & begin housekeeping again.

July 3 Took traps & went up a cañon.
set a few. Shot one Chipmunk.
didn't go far. Have another
attack of diarrhea & feel weak
in the legs.

A cool day & windy.
Made a couple of skins &
fixed tent.

"4 Caught an Onychomys & a
young Hesperomys.
Shot 4 Chipmunks & some birds
& a young Dipodomys.
Set more traps.
Made 7 skins.
Eat 3 good meals & feel
stronger.
A warm day - 89°

July 5 Caught a *Dipodops* + a
Crietodipus + some *Hesperomys*
eremicus + a *S. grammurus*,
Something eat a *Neotoma* +
a *S. grammurus* out of my traps.
Made 1 skins.

Got a long crested Jay.
Didn't get done skinning
in time to go to traps again.
A warm day, turned cool
& rained a few minutes
toward night.

" 6 Caught a *Urocyon virginianus*
but it broke the trap chain &
went into a hole in the rocks
as I came up to it.

Caught a *Hesperomys* + a
young *Neotoma* + a *S. grammurus*
+ shot a chipmunk + two
Glaucomys *quous*.

Made 6 skins + rested.
Am getting strong again.
A pleasant day.

July 7 Sunday,
A pleasant day.

" 8 Tramped till noon & set
traps. Went up above the
town spring. Found but
little game. Got two Chipmunks
& a Prairie Dog.
Made a few skins in P.M.
Rained quite hard in P.M.

" 9 The rain sprung nearly all
my traps, only caught a
Thomomys & Neotoma.
Reset traps, then it rained &
I had to set them again.
Caught another Thomomys &
Shot some birds.
Made skins.
Cold in morning & evening.

July 10 Caught 3 *Onychomys* & three
Dipodops & a *Hesperomys t. sonoriensis*.
Rained in night.
Made skins, hunted, &
set traps.
A cool day.

" Caught 2 *Hesperomys* & 2 *Dipodops*.
& killed a Prairie Dog & some
birds. Made up these skins
& in P.M. hunted off to the
W. Found a big Prairie Dog
town, all *C. ludovicianus*.
killed one. They were on ground
higher than town.
A pleasant day, not hot.

" 12 Caught nothing but a *Thomomys*
& only killed a Flycatcher.
Skinned these & a Prairie
Dog. Loaded shells,
cleaned gun & packed a
small box of skins.
A poor days work.

July 13. Made out report, packed
these specimens & my trunk.

" 14 Sunday.

Wrote, read, & rested.

Rained hard in P.M.

" 15 Left San Pedro at 9 A.M. &
reached Albuquerque at 7 P.M.
Killed one Prairie Dog at Old
San Pedro, intended to kill some
on the mesa but a rain came
up & did not stop for them.
Got thoroughly soaked in one
of the hardest rains I ever saw.
The mules refused to go & we had
to stand & take it.

July 16. Didn't get started for a hunt till 11:30, then went up on the mesa + killed 4 Prairie Dogs + 5 Spermophiles + 5 Shorelarks + an Owl. Got back at 5 P.M. + skinned the Spermophiles + 2 Prairie Dogs before 10 o'clock. A hot day, cool in evening.

" 17 Got up at 5 o'clock + went to traps upon mesa before breakfast. Caught a Spermophile + shot a Prairie Dog, a *C. gunnisoni*.

Got to work at skinning before 8 o'clock + finished up the things at 3 P.M., then set a few traps on flats but it rained + I came back without any game.

July 18 Hunted till noon. got a
Prairie Dog + a Muskrat
+ 3 Spermophiles, all on the
plate between town + the river.
Made skins most of P.M.

" 19 Went to traps + took them up,
caught a *Thomomys* + 2 *Hesperomys*
sonoriensis.
Tinkered around + did not do
much all day. set 4 traps
for *Thomomys* in evening.

" 20 Took up gopher traps before
breakfast. got one *Thomomys*.
Tramped over mesa till noon
but found no signs of
C. ludovicianus. Found holes
+ tracks of *Dipodomys deserti*
about 3 miles back on the
mesa.

Sketched a Prairie Dog + a
Spermophile in P.M. + put
up skins.
A hot day.

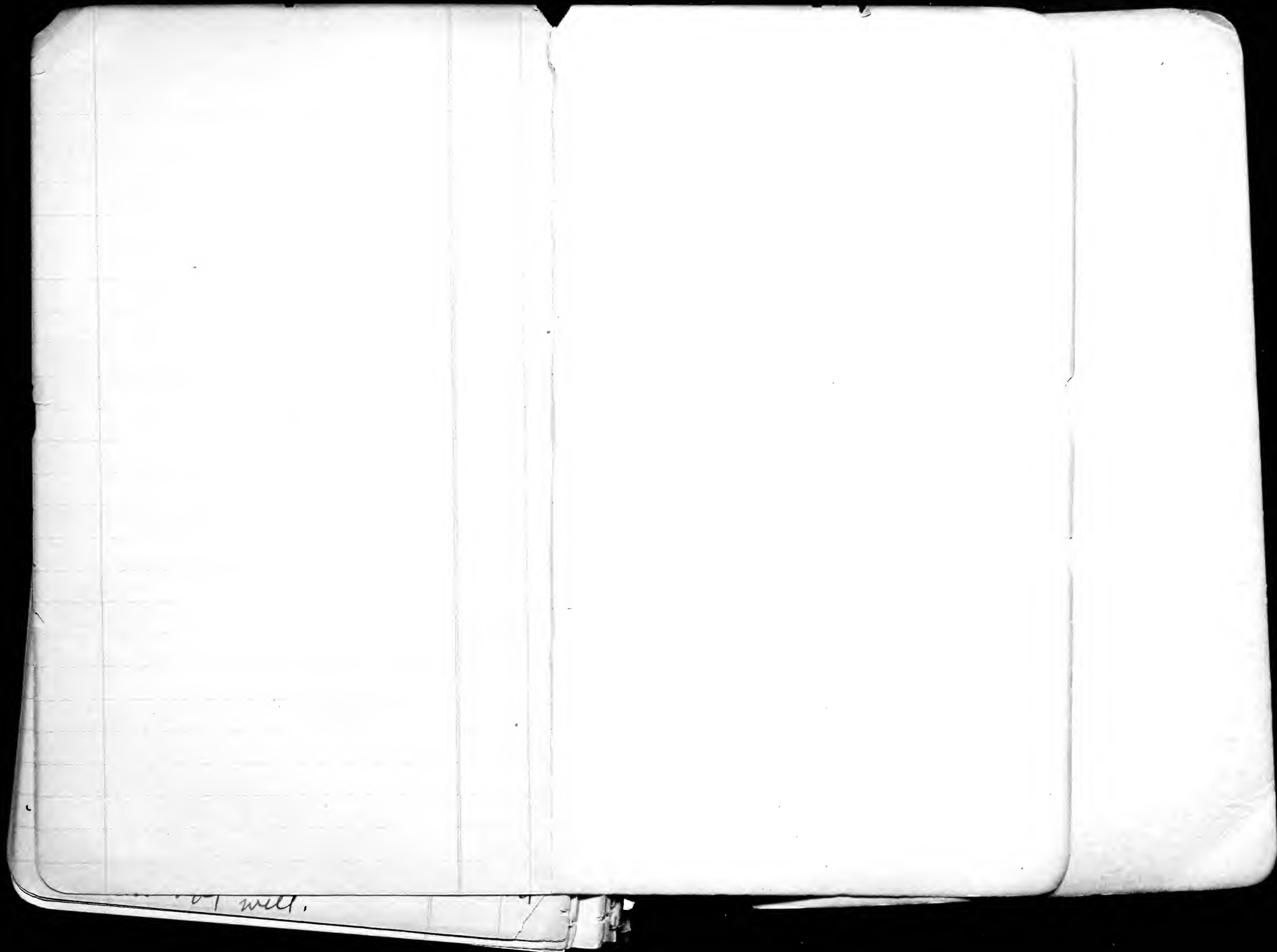
July 21 Sunday.

" 22 Went up on mesa + set traps
for *D. deserti* + hunted.
Got a few specimens, saw
a small Rabbit ~~etc~~ but didn't
get it. Got back at noon

" 23 Went to traps, caught two
big *Dipodomys*, killed a
Rabbit + a *Spermophile*.
Made skins + wrote some
in P.M.
A warm day.

" 24 Went to traps early + took them
up. Caught two big *Dipodomys*.
but a snake had spoiled one.
Packed the specimens.
— Don't feel very well.
Rained in P.M.

" 25. Didn't do much all day, just waited
for mail + tinkered around a little.
Am not well.



... well.

